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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/003,239	12/06/2001	Roger J. W. Croad	469.1091 (DMP)	469.1091 (DMP) 4529	
21171 7	590 01/15/2004		EXAM	INER /	
STAAS & HALSEY LLP		KEENAN, JAMES W			
SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			ART UNIT	PAPER NUMBER	
			3652		
			DATE MAILED: 01/15/2004	DATE MAILED: 01/15/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
•	10/003,239	CROAD ET AL.			
Office Action Summary	Examin r	Art Unit			
	James Keenan	3652			
Th MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status					
1) Responsive to communication(s) filed on 05 N	ovember 2003.				
2a)⊠ This action is FINAL . 2b)☐ This	action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4)⊠ Claim(s) <u>1-24</u> is/are pending in the application.					
4a) Of the above claim(s) <u>20-24</u> is/are withdrawn from consideration.					
5)⊠ Claim(s) <u>16 and 17</u> is/are allowed.					
6)⊠ Claim(s) <u>1-15,18 and 19</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or election requirement.					
Application Papers					
9)☐ The specification is objected to by the Examiner.					
10)⊠ The drawing(s) filed on <u>05 November 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. §§ 119 and 120					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:					
1. Certified copies of the priority documents have been received.					
 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage 					
application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.					
13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.					
a) The translation of the foreign language provisional application has been received.					
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.					
Attachment(s)					
1) Notice of References Cited (PTO-892)	4) Interview Summary	/ (PTO-413) Paper No(s)			
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal	Patent Application (PTO-152)			
U.S. Patent and Trademark Office PTOL-326 (Rev. 11-03) Office Ad	tion Summary	Part of Paper No. 6			

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1. The replacement drawings (sheet 1) were received on 11/5/03. These drawings are approved.

2. Newly submitted claims 20-24 are directed to an invention that is independent or distinct from the invention originally claimed for the following reasons:

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 2-19, drawn to a substrate loading apparatus, classified in class
 414, subclass 217.
- Claims 20-24, drawn to a substrate loading and cooling apparatus,
 classified in class 165, subclass 80.2.

Claim 1 link(s) inventions I and II. The restriction requirement between the linked inventions is subject to the nonallowance of the linking claim(s), claim 1. Upon the allowance of the linking claim(s), the restriction requirement as to the linked inventions shall be withdrawn and any claim(s) depending from or otherwise including all the limitations of the allowable linking claim(s) will be entitled to examination in the instant application. Applicant(s) are advised that if any such claim(s) depending from or including all the limitations of the allowable linking claim(s) is/are presented in a continuation or divisional application, the claims of the continuation or divisional application may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Where a restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. *In re Ziegler*, 44 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

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3. The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention II has separate utility such as cooling the substrate. See MPEP § 806.05(d).

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, claims 20-24 are withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

- 4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 5. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

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6. Claims 1-4, 6-8, 11, and 18-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Helms et al in view of Kato et al.

This rejection is set forth in prior Office action, paper #3, paragraph 7.

7. Claims 9-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Helms et al in view of Kato et al, as applied to claims 1 and 8 above, and further in view of Stevens et al.

This rejection is set forth in prior Office action, paper #3, paragraph 8.

8. Claims 5 and 12-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Helms et al in view of Kato et al, as applied to claims 1 and 8 above, and further in view of Carr et al.

This rejection is set forth in prior Office action, paper #3, paragraph 9.

9. Applicant's arguments filed 11/5/03 have been fully considered but they are not persuasive.

Applicant argues that Kato is directed to a wafer inspection apparatus rather than a processing chamber and that the space required for the supporting arms would not be available in the close confines of the processing chamber of Helms. In response to applicant's argument that Kato is nonanalogous art, it has been held that a prior art reference must either be in the field of applicant's endeavor or, if not, then be reasonably pertinent to the particular problem with which the applicant was concerned,

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in order to be relied upon as a basis for rejection of the claimed invention. See In re Oetiker, 977 F.2d 1443, 24 USPQ2d 1443 (Fed. Cir. 1992). In this case, not only is Kato in the same general field of wafer handling, but it is also pertinent to the particular problem with which applicant is concerned, i.e., supporting substrates of varying size. While Kato admittedly is not directed to the exact environment (a processing chamber) as Helms and applicant, it is noted that claim 1 does not include the chamber per se as a positive limitation, but only as a for use limitation. Furthermore, it is noted that the apparatus of Kato operates in a manner analogous to that of Helms, i.e., the support moves vertically to enable an external arm to maneuver wafer to and from the support. Finally, the test for obviousness is not whether the features of a secondary reference may be bodily incorporated into the structure of the primary reference; nor is it that the claimed invention must be expressly suggested in any one or all of the references. Rather, the test is what the combined teachings of the references would have suggested to those of ordinary skill in the art. See In re Keller, 642 F.2d 413, 208 USPQ 871 (CCPA 1981).

- 10. Claims 16-17 are allowed.
- 11. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

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TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the mailing date of this final action.

12. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to James Keenan whose telephone number is 703-308-

2559. The examiner can normally be reached on Monday through Thursday, although

this may vary.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Eileen Lillis can be reached on 703-308-3248. The fax phone number for

the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is 703-308-

1113.

James Keenan

Primary Examiner

- lleena

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jwk 1/13/04